


SECTION 6 EXPLODED VIEWS

(1)

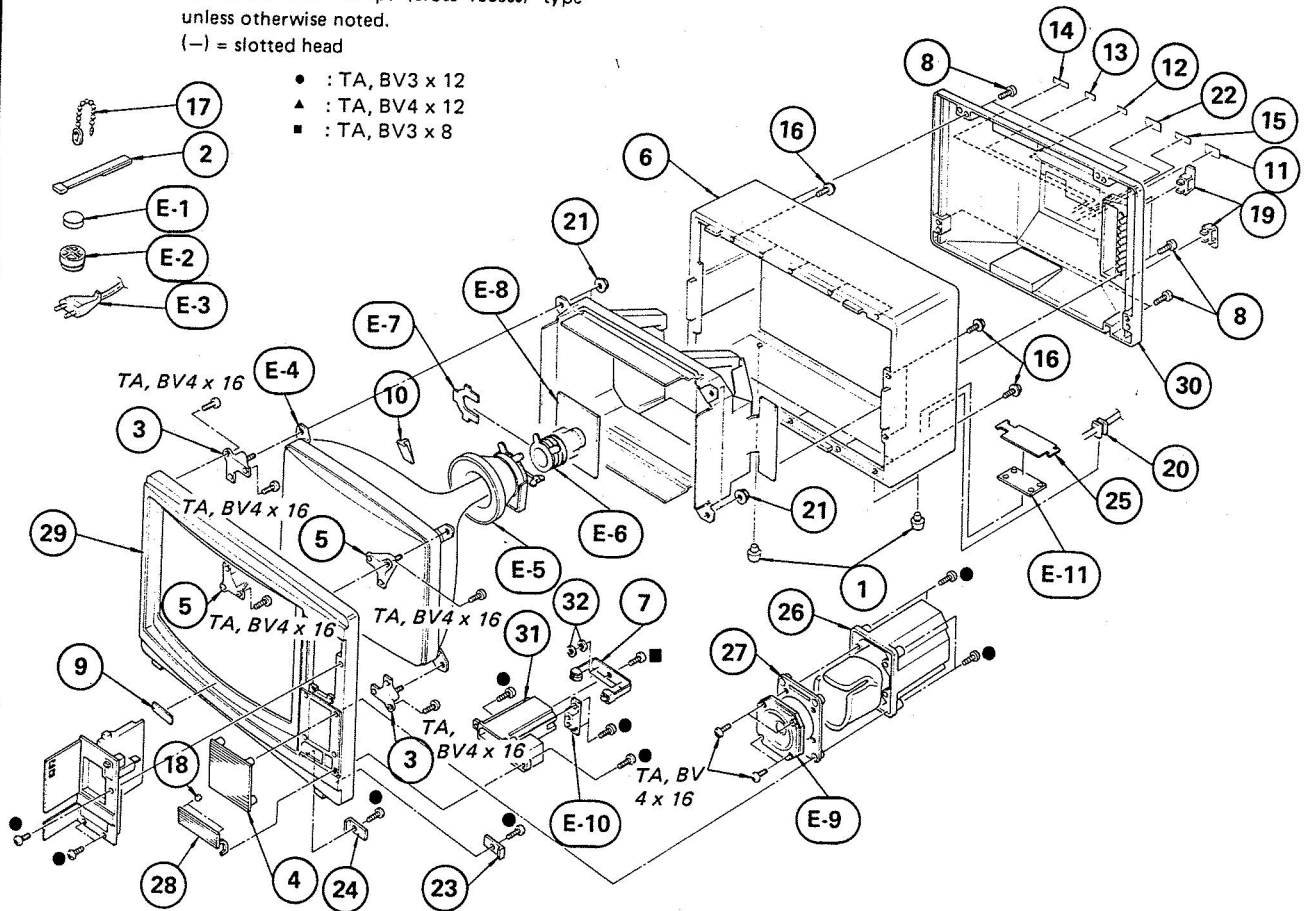
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head

- : TA, BV3 x 12
- ▲ : TA, BV4 x 12
- : TA, BV3 x 8

- As to the part numbered with E-, refer to the electrical parts list.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-3701-047-1	Foot Ass'y		17	4-308-870-00	Clip, lead wire	
2	X-4308-815-0	Permalloy Ass'y convergence		18	4-314-871-00	Cushion	
3	● X-4341-602-0	Bracket (1) Ass'y, picture tube		19	4-316-003-00	Holder, cord	
4	X-4341-604-0	Grille Ass'y, speaker		20	▲ 4-327-107-00	Holder, cord	
5	● X-4341-605-0	Bracket (2) Ass'y, picture tube		21	4-330-305-00	Nut, special	
6	X-4341-608-0	Cabinet Ass'y		22	● 4-341-601-00	Label, model number (UK)	
7	● X-4341-610-0	Spring Ass'y		23	4-341-606-00	Shaft (1), door	
8	3-701-910-00	Screw, special		24	4-341-607-00	Shaft (2), door	
9	3-701-912-00	Emblem, SONY (large)		25	● 4-341-615-00	Cover, insulating	
10	3-703-003-00	Spacer, DY		26	● 4-341-619-00	Box, speaker	
11	3-703-234-00	Label, caution		27	● 4-341-620-00	Plate, speaker	
12	3-703-269-00	Label, SEV		28	4-341-642-00	Door (3)	
13	3-703-274-00	Label, approval		29	4-341-644-00	Bezel	
14	3-703-351-00	Label (CTV), FTZ		30	4-341-647-00	Cover, back	
15	3-703-	Label, PTB		31	4-341-653-00	Box, commander	
16	4-304-851-00	Screw, TA, W/W 4 x 25		32	● 4-341-657-00	Sheet	

A

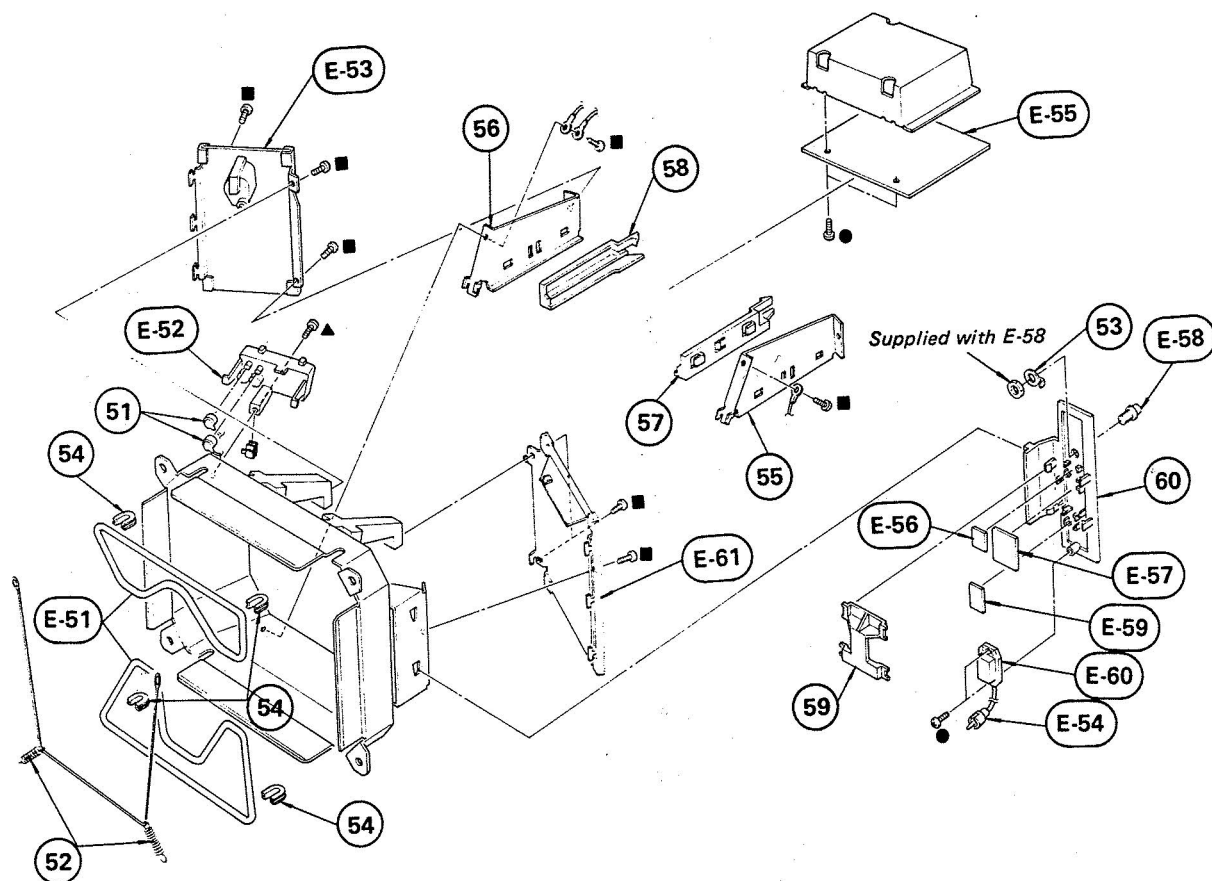
B

C

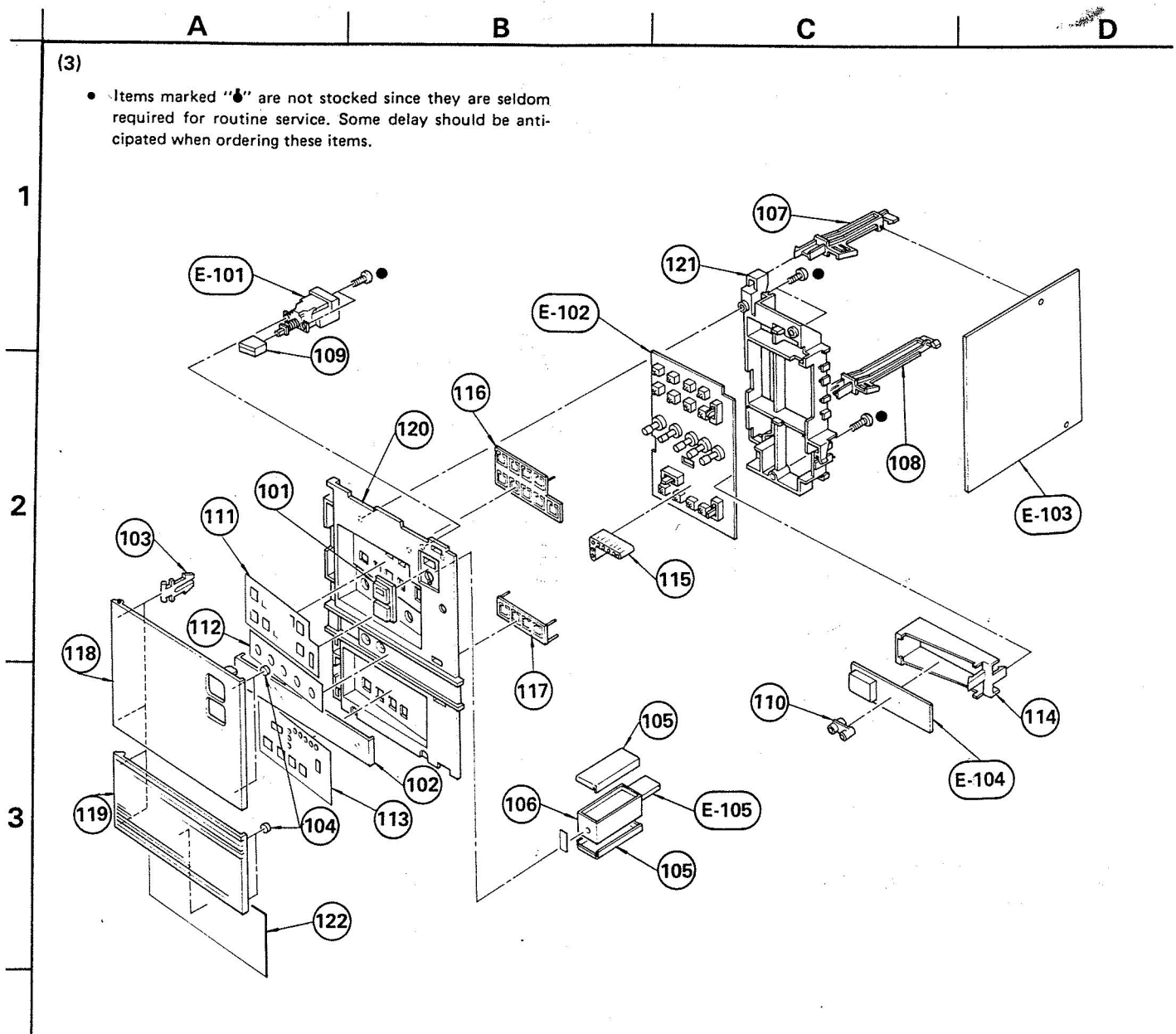
D

(2)

- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
51	3-705-769-00	Cap, rubber		56	▲ 4-341-622-00	Holder (2), F board	
52	4-303-774-XX	Spring		57	▲ 4-341-630-00	Guide, PC board (1)	
53	4-325-529-00	Terminal, connector		58	▲ 4-341-631-00	Guide, PC board (2)	
54	▲ 4-330-306-00	Bushing, picture tube insulating		59	▲ 4-341-635-00	Holder, J board	
55	▲ 4-341-621-00	Holder (1), F board		60	4-341-651-00	Panel, connector	



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	X-4341-601-0	Plate (1) Ass'y, ornamental		112	4-341-610-00	Label, control (B)	
102	X-4341-603-0	Plate (2) Ass'y, ornamental		113	4-341-611-00	Label, control (C)	
103	3-703-035-11	Shaft, door		114	● 4-341-625-00	Holder, H2 board	
104	4-314-871-00	Cushion		115	● 4-341-626-00	Holder, LED (2)	
105	● 4-336-033-00	Case (upper, lower), shield, X		116	4-341-628-00	Button, multi (1)	
106	● 4-336-034-00	Case (main), shield, X		117	4-341-629-00	Button, multi (2)	
107	● 4-336-414-00	Bracket (3), PC board		118	4-341-640-00	Door (1)	
108	● 4-336-415-00	Bracket (2), PC board		119	4-341-641-00	Door (2)	
109	4-341-604-00	Button, POWER		120	4-341-650-00	Panel, control	
110	● 4-341-605-00	Holder (1), LED		121	● 4-341-652-00	Bracket, H-M	
111	4-341-609-00	Label, control (A)		122	4-341-671-00	Label (2), door	

SONY

TRINITRON® COLOR TV BASIC SCHEMATIC DIAGRAM

KV-2704E

Chassis No. SCC-268A-A

NOTE

THIS SCHEMATIC DIAGRAM IS FOR USE BY YOUR SERVICE TECHNICIAN. KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.

HINWEIS

DIESES SCHEMATISCHE DIAGRAMM IST ZUM GEBRAUCH DURCH IHREN WARTUNGSTECHNIKER BESTIMMT. BEWAHREN SIE DIESES DIAGRAMM FÜR SPÄTEREN GEBRAUCH GUT AUF.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND Δ MARK ON THE SCHEMATIC DIAGRAMS ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THE PARTS LIST ON THIS BASIC SCHEMATIC DIAGRAM OR IN THE SERVICE MANUAL. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THE SERVICE MANUAL PUBLISHED BY SONY. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SICHERHEITSHINWEIS FÜR KOMPONENTEN

IN DEN SCHALTBILDERN SCHRAFFIERT UND MIT DER Δ -MARKE EINGEZEICHNETE KOMPONENTEN SIND FÜR DIE BETRIEBSSICHERHEIT KRITISCH. DIESE KOMPONENTEN SIND DURCH SOLCHE SONY TEILE ZU ERSETZEN, DEREN TEILNUMMERN IN DER TEILELISTE DIESER GRUNDSCHALTBILDER ODER IN DEM VON SONY HERAUSGEGEBENEN WARTUNGS-HANDBUCH ANGEGBEN SIND. AUF FÜR DIE BETRIEBSSICHERHEIT KRITISCHE SCHALTUNGSEINSTELLUNGEN WIRD IN DEM HANDBUCH HINGEWIESEN. BEFOLGEN SIE DIESE ANWEISUNGEN STETS, WENN KRITISCHE KOMPONENTEN AUSGEWECHSELT WERDEN ODER VERDACHT AUF FUNKTIONSSTÖRUNGEN BESTEHT.

- All capacitors are in μF unless otherwise noted. p: μpF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. k Ω : 1000 Ω , M Ω : 1000 k Ω
- \square : nonflammable resistor.
- \triangle : internal component.
- \square : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Voltagages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 20,000-ohm-per-volt VOM.
- Readings are taken with a color-bar signal input.
- Voltagages on H2 and M boards are taken under conditions below.
 - The channel 1 is selected.
 - VOLUME control is set to no sound position.
 - PICTURE control is set to the first stage. (The first stage is the condition when the POWER switch sets to ON.)
- Waveform on M board is taken with controls set to the first stage.
- Voltage variations may be noted due to normal production tolerances.

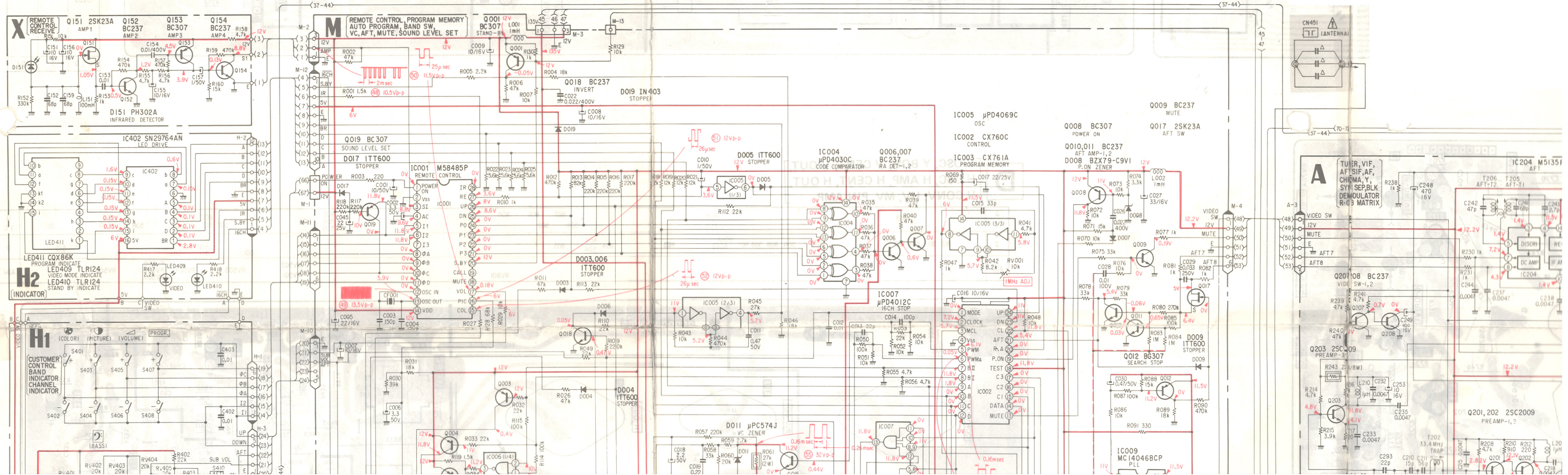
PARTS LIST TEILELISTE

(THE SHADED AND Δ MARK)
(SCHATTIERTE UND Δ -MARK)

NOTE: REPLACEMENT PARTS LIST
SCHEMATIC DIAGRAM
APPEAR BY SONY
HINWEIS: DIE IM
MARKIERTE
TEILELISTE
LISTE
TERN A

Ref. No.	Part No.
C601	1-117-121-00
C602	1-117-119-00
C628, 629	1-117-127-00
C814	1-102-327-00
C815	1-130-545-00
CN451	1-536-437-00
F601	1-532-237-00
L901, 902	1-426-041-11
L903	1-451-156-41
PTH601	1-800-955-11
R601	1-217-328-00

SCHEMATIC DIAGRAM



μF unless otherwise noted. p: μF
t indicated except for electrolytics.

ohms, ¼ W unless otherwise noted.
000 kΩ

le resistor.

ponent.

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justable resistors have characteristic
wise noted.

h respect to ground unless otherwise

with a 20,000-ohm-per-volt VOM.

with a color-bar signal input.

M boards are taken under conditions

selected.

l is set to no sound position.

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is the condition when the POWER
(.)

ard is taken with controls set to the

ay be noted due to normal production

PARTS LIST TEILELISTE

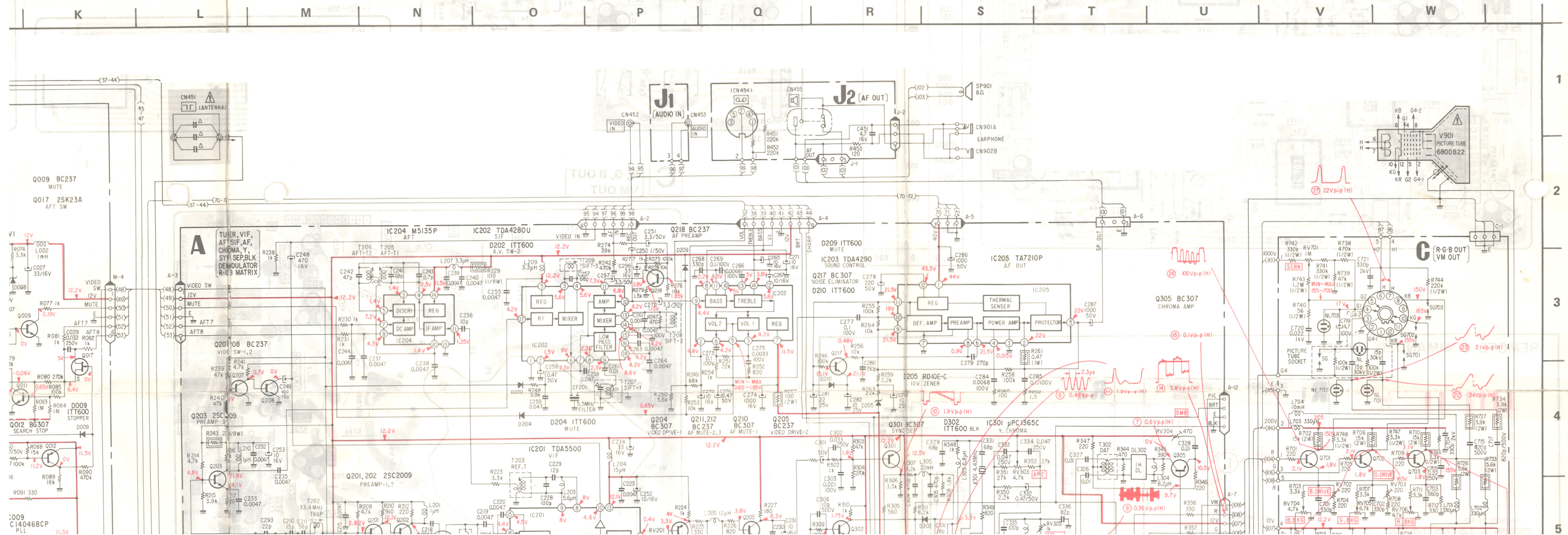
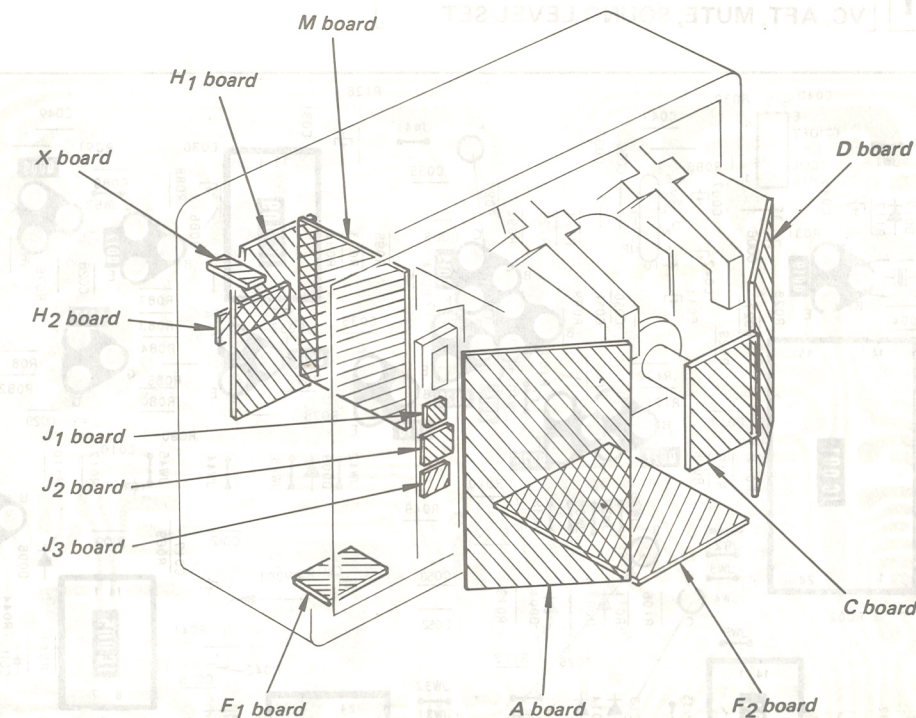
(THE SHADED AND ▲ MARK COMPONENTS)
(SCHATTIERTE UND MIT ▲ MARKIERTE KOMPONENTEN)

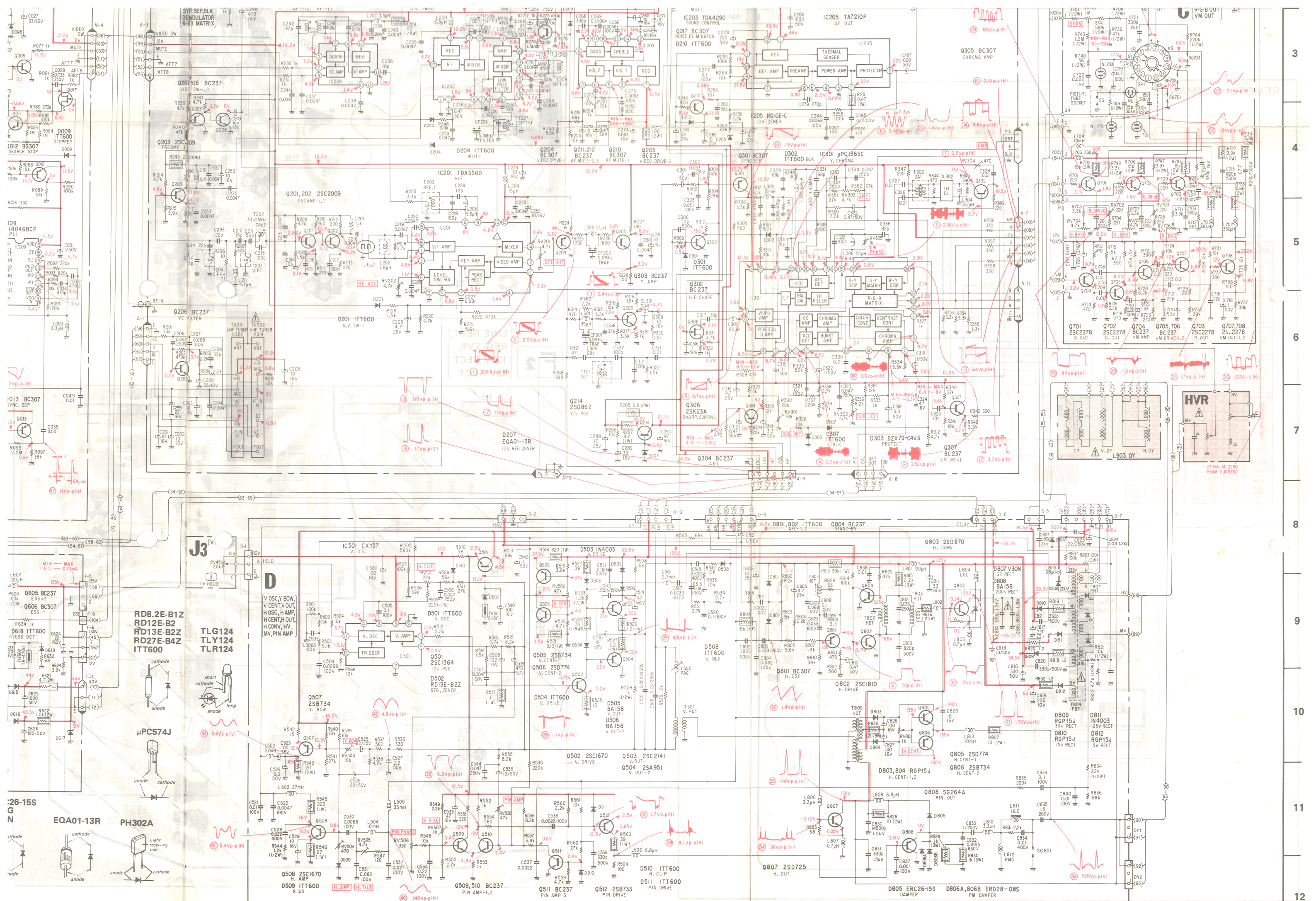
NOTE: REPLACE THE SHADED AND ▲ MARK COMPONENTS ON THE
SCHEMATIC DIAGRAM WITH SONY PARTS WHOSE PART NUMBERS
APPEAR AS SHOWN IN THIS LIST OR IN SUPPLEMENTS PUBLISHED
BY SONY.

HINWEIS: DIE IM SCHEMATISCHEN DIAGRAMM SCHATTIERT UND MIT DER
MARKIERUNG ▲ ANGEgebenEN KOMPONENTEN DURCH SONY-
TEILE ERSETZEN, DEREN TEILENUMMER MIT DER IN DIESER
LISTE ODER IN VON SONY VERÖFFENTLICHTEN ZUSATZBLAT-
TERN ANGEgebenEN ÜBEREINSTIMMT.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C601	1-117-121-00	Capacitor, 0.22 μF 250 V metalized paper	R629	1-244-945-00	Resistor, 1 MΩ ½ W composition
C602	1-117-119-00	Capacitor, 0.1 μF 250 V metalized paper	S901	1-553-225-12	Switch, pushbutton; POWER
C628, 629	1-117-127-00	Capacitor, 0.0047 μF 250 V metalized paper	T601	1-421-352-00	Transformer, line filter; LFT-1
C814	1-102-327-00	Capacitor, 330 pF 1.5 kV ceramic	T602	1-413-053-11	Transformer, switching regulator; SRT
C815	1-130-545-00	Capacitor, 8000 pF 1.2 kV film	T603	1-441-855-00	Transformer, line filter; LFT-2
			T804	1-439-256-11	Transformer, flyback; FBT
CN451	1-536-437-00	Antenna Terminal			
F601	1-532-237-00	Fuse, 3.15 AT	TU201	1-463-242-00	UHF Tuner, U322
L901, 902	1-426-041-11	Coil, degaussing; DGC	TU202	1-463-243-00	VHF Tuner, V314
L903	1-451-156-41	Coil, deflection yoke; DY	V901	8-738-405-05	Picture Tube, 680DB22
PTH601	1-800-955-11	Thermistor, positive		1-226-500-31	Resistor Ass'y, high-voltage
				1-452-145-00	Neck Ass'y, picture tube
R601	1-217-328-00	Resistor, 2.7 Ω 7 W wirewound (nonflammable)		1-551-270-00	Cord, power

CIRCUIT BOARDS LOCATION





3

4

5

6

7

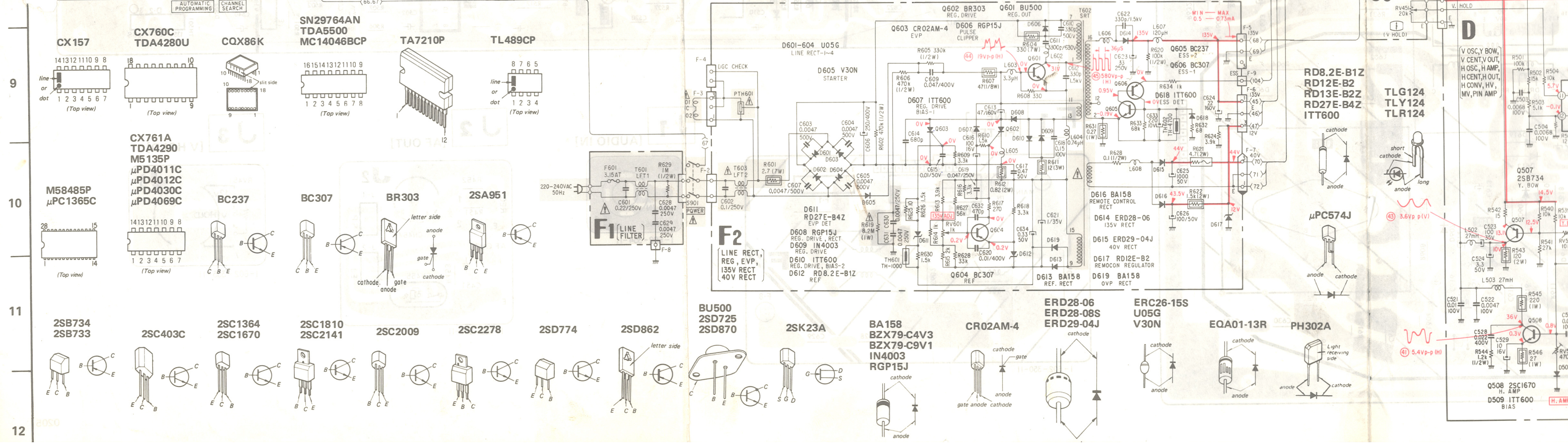
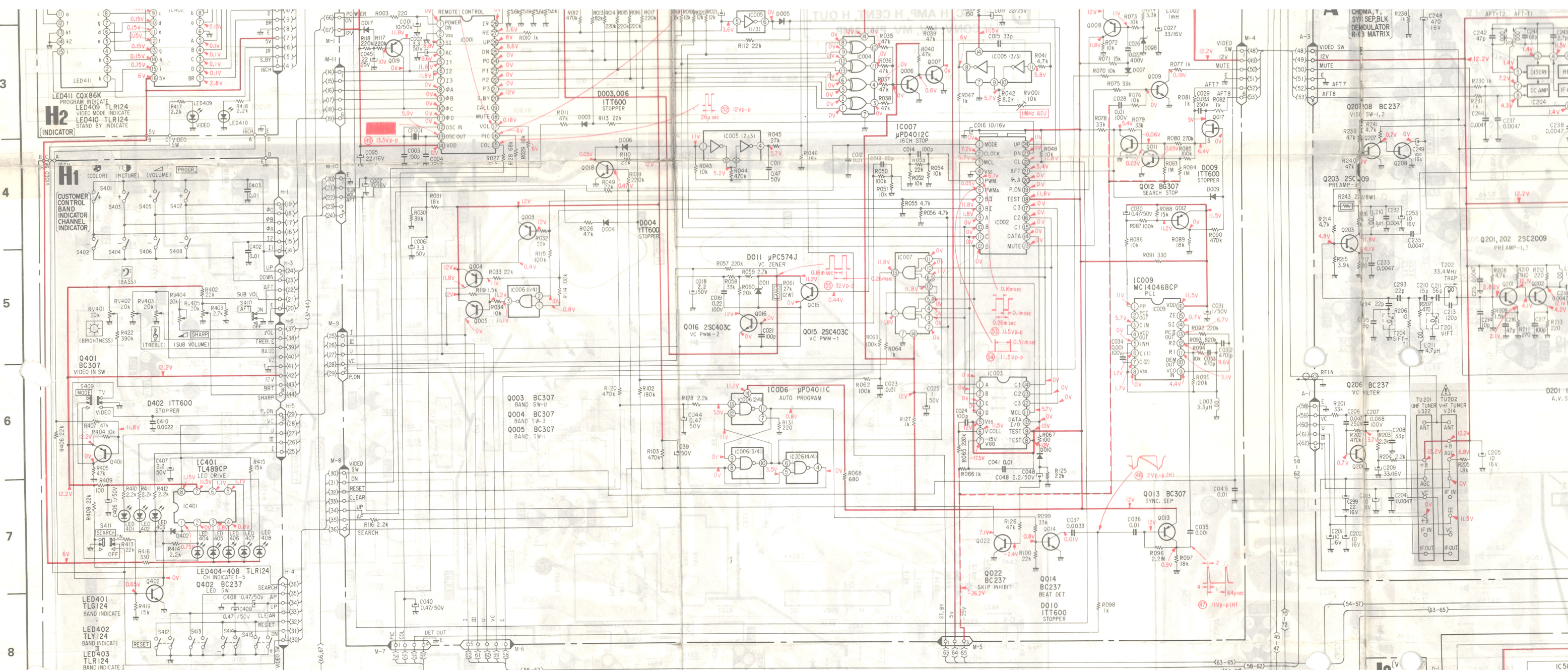
8

9

10

11

12

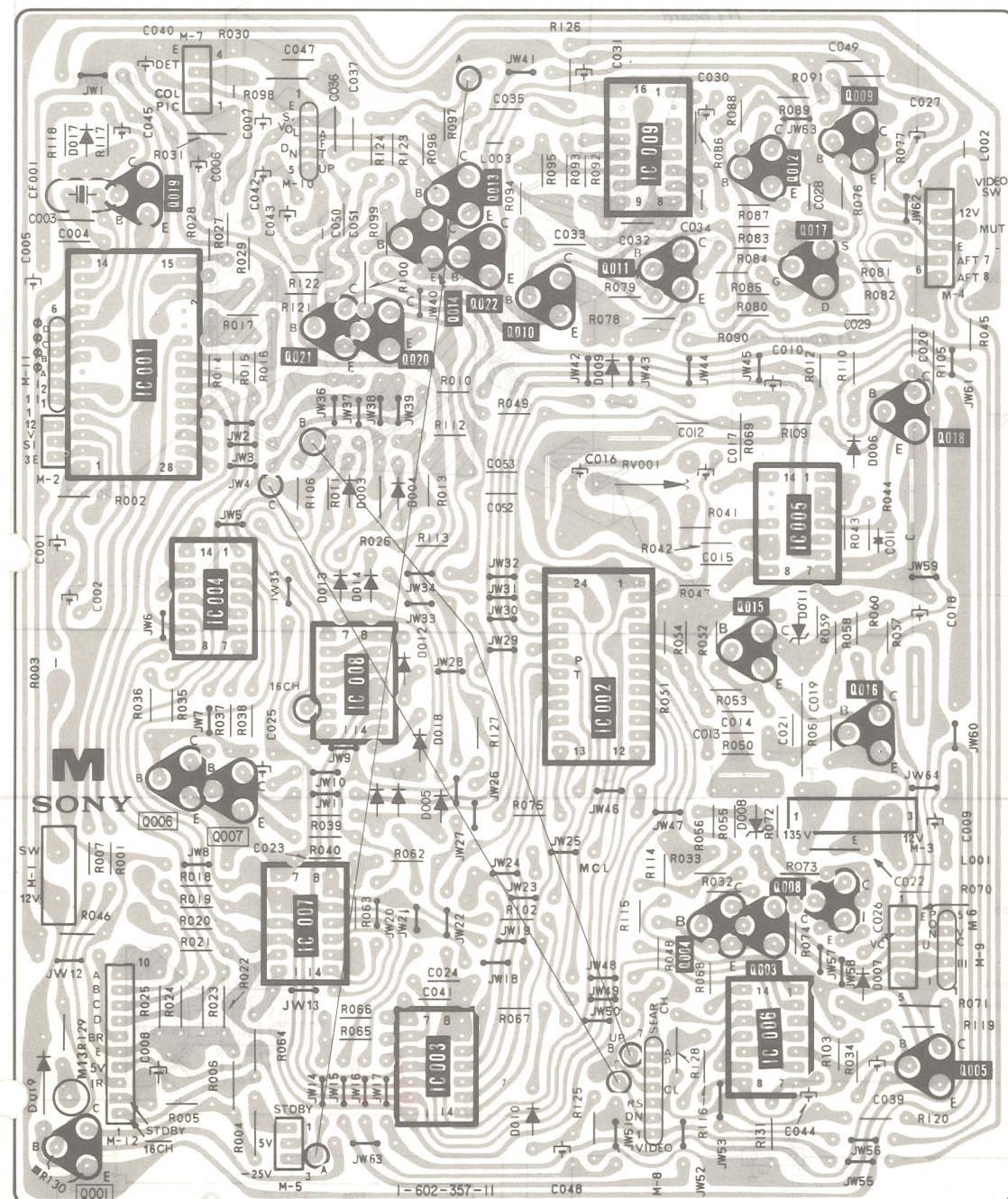


MOUNTING DIAGRAM

Note: All mounting diagrams are viewed from conductor side.

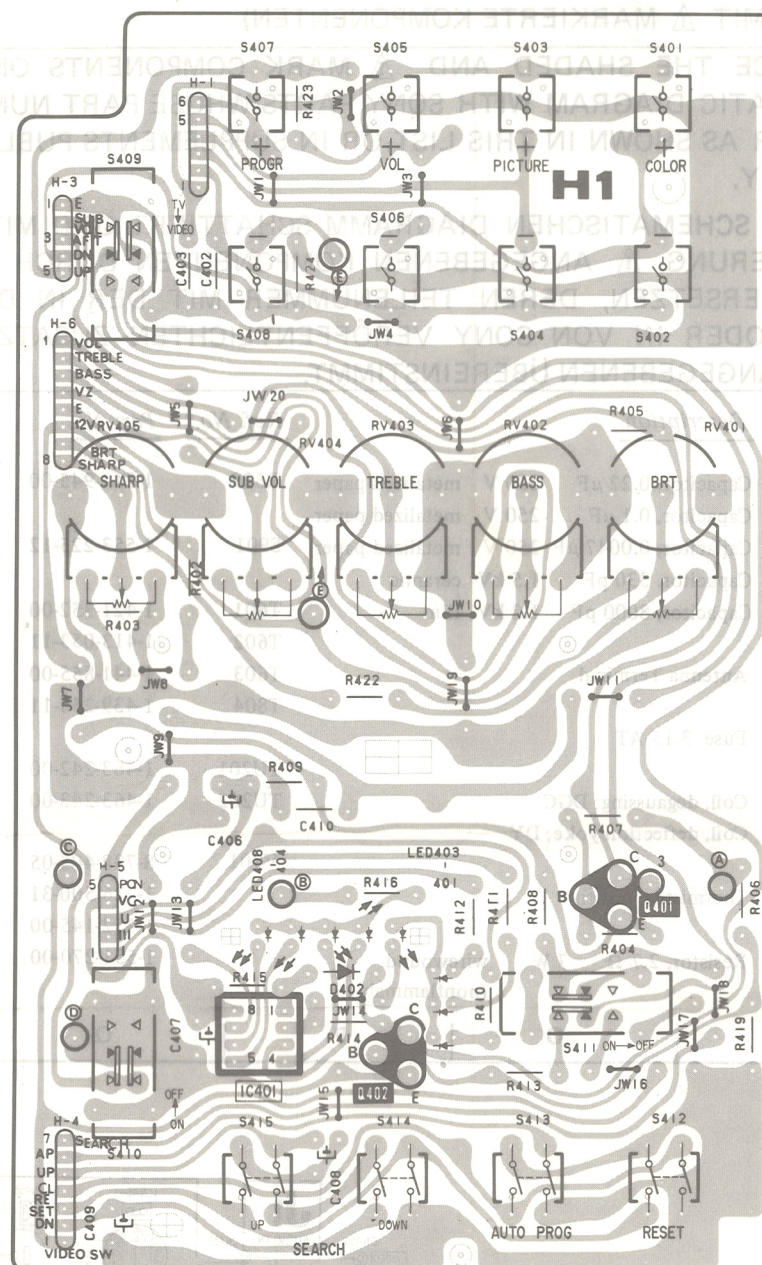
M

REMOTE CONTROL PROGRAM MEMORY
AUTO PROGRAM, BAND SW,
VC, AFT, MUTE, SOUND LEVEL SET



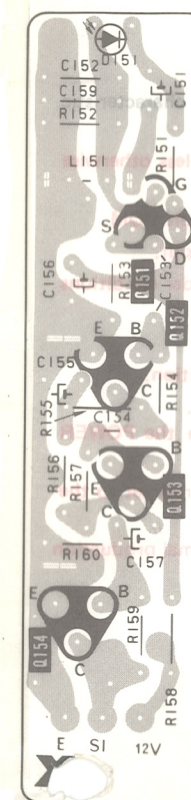
H1

[INDICATOR]



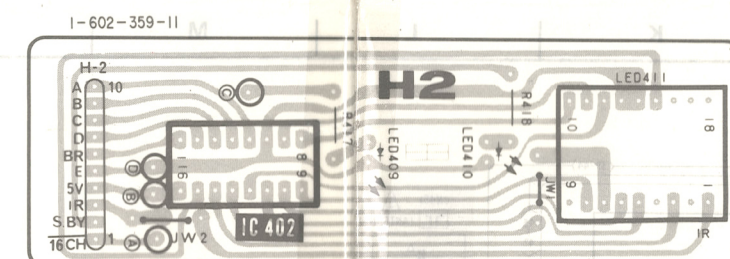
X

REMOTE
CONTROL
RECEIVE



H2

CUSTOMER CONTROL
BAND
INDICATOR CHANNEL
INDICATOR

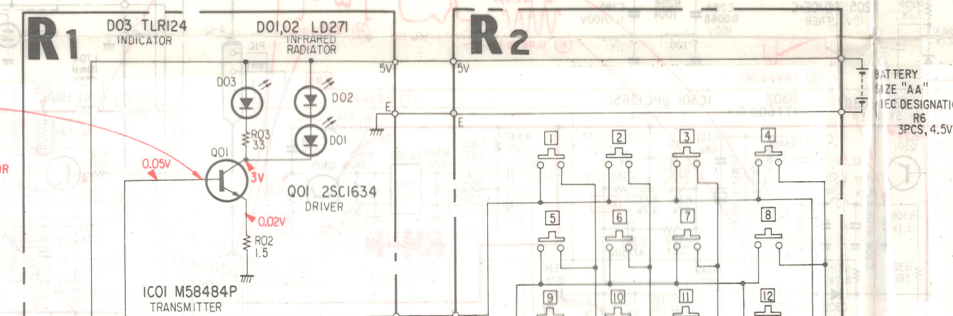
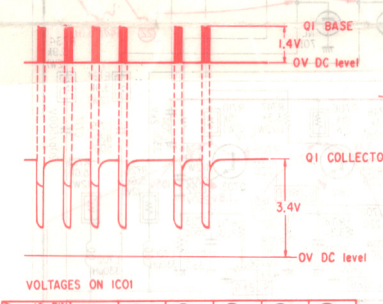


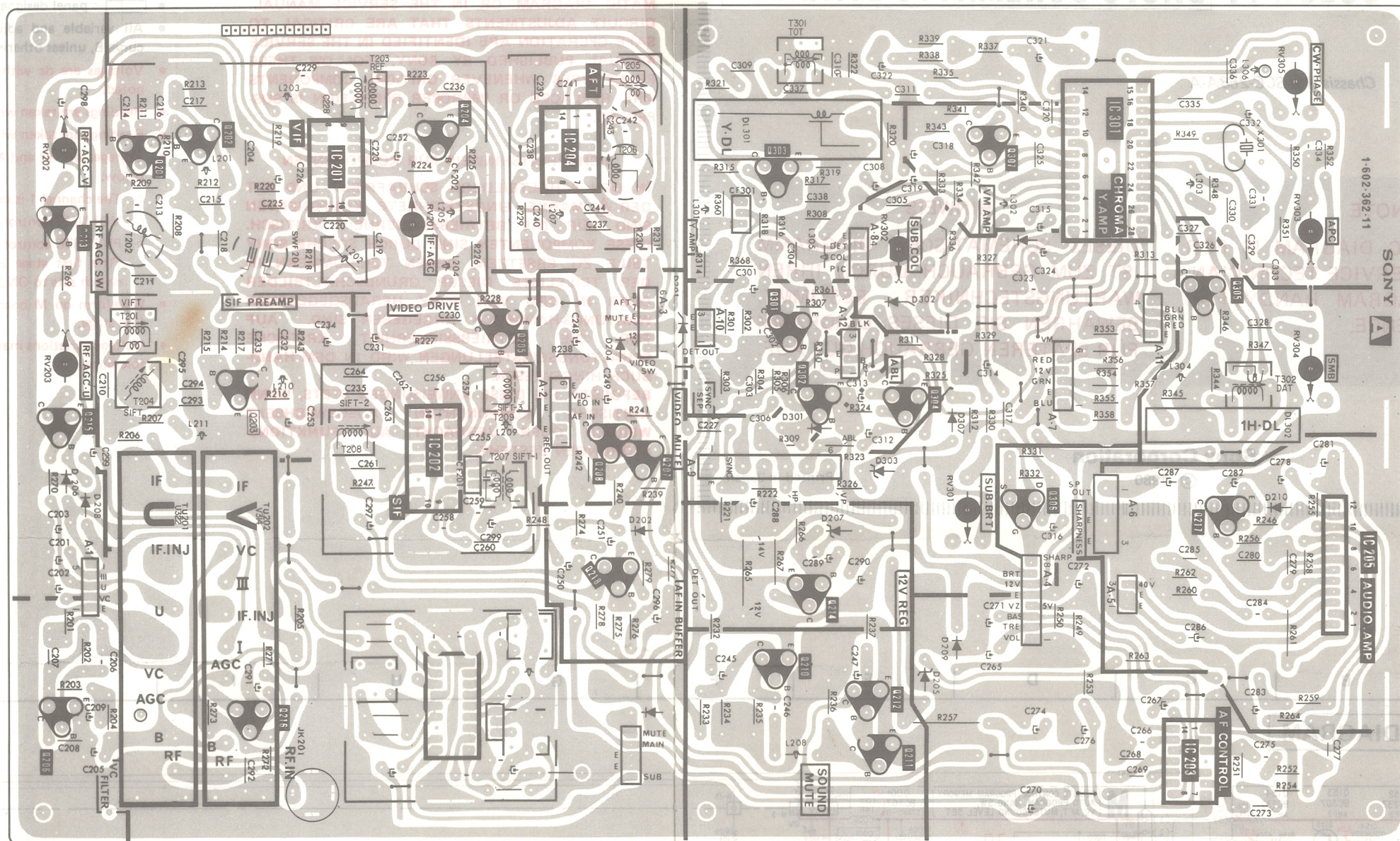
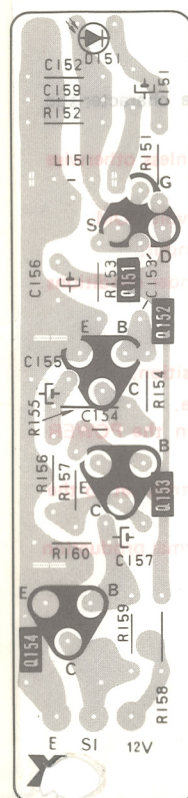
C

[R, G, B OUT]
[VM OUT]

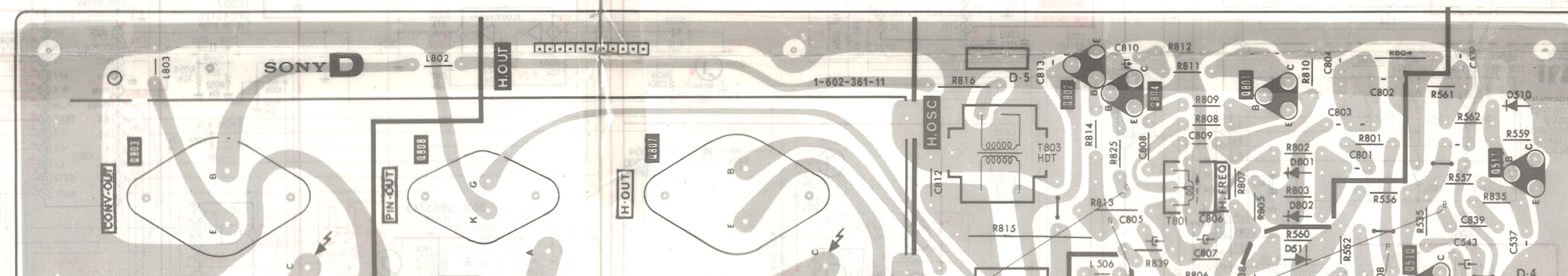
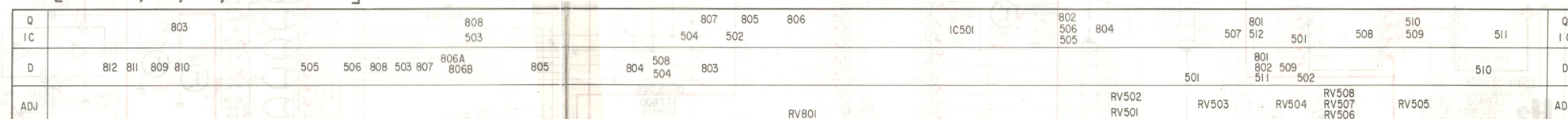
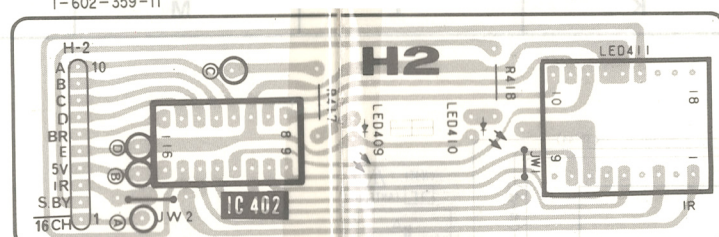
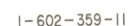


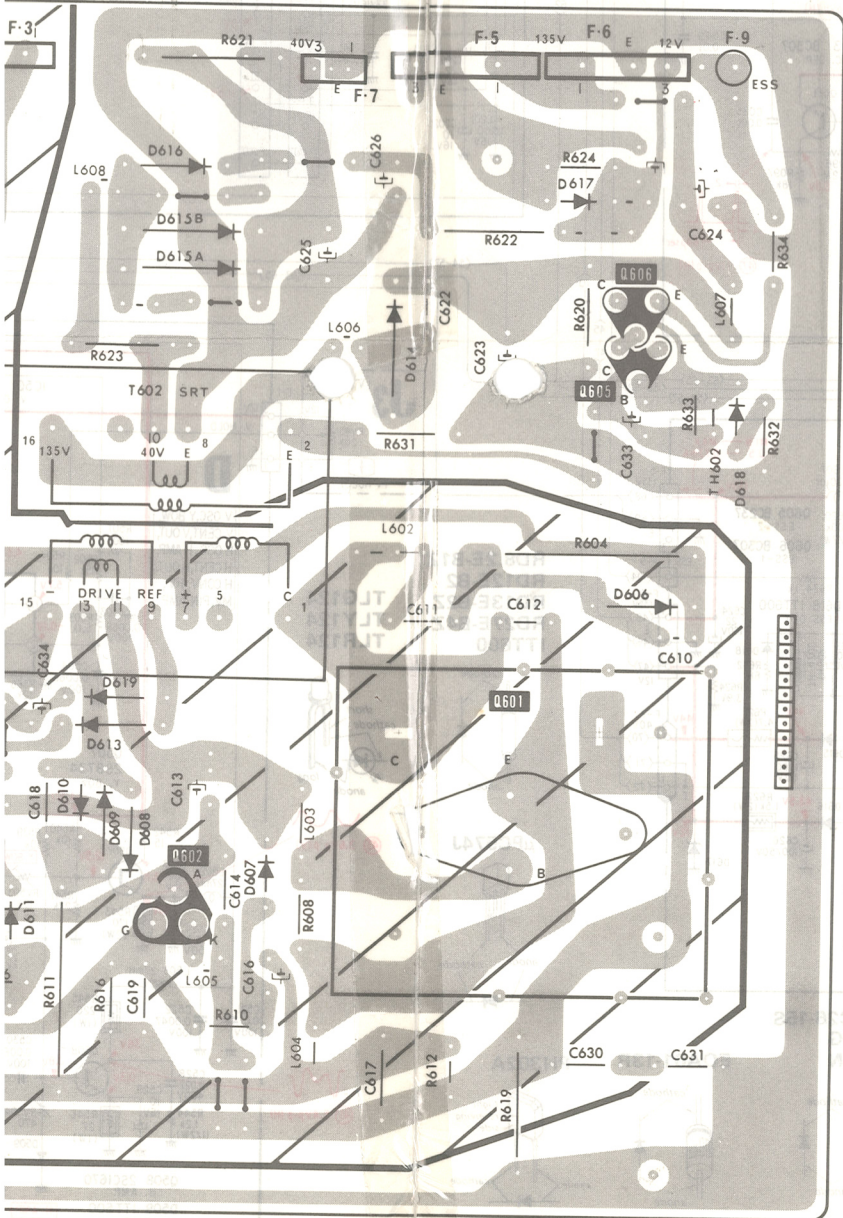
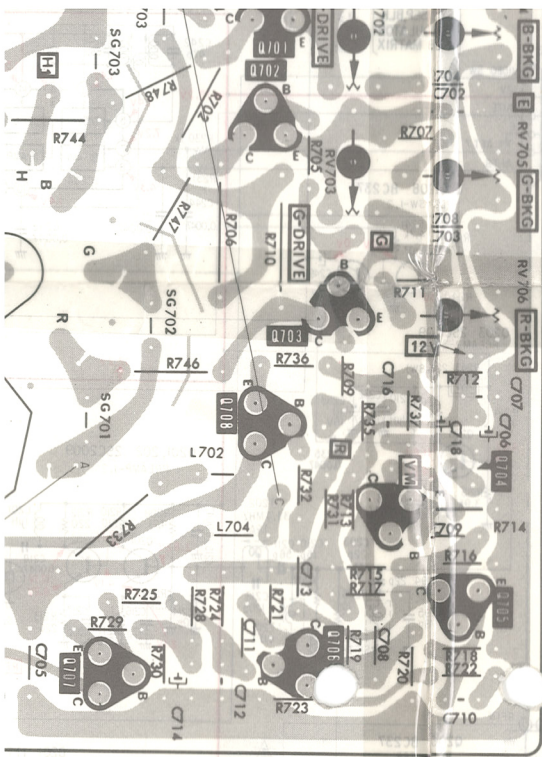
REMOTE COMMANDER RM-606



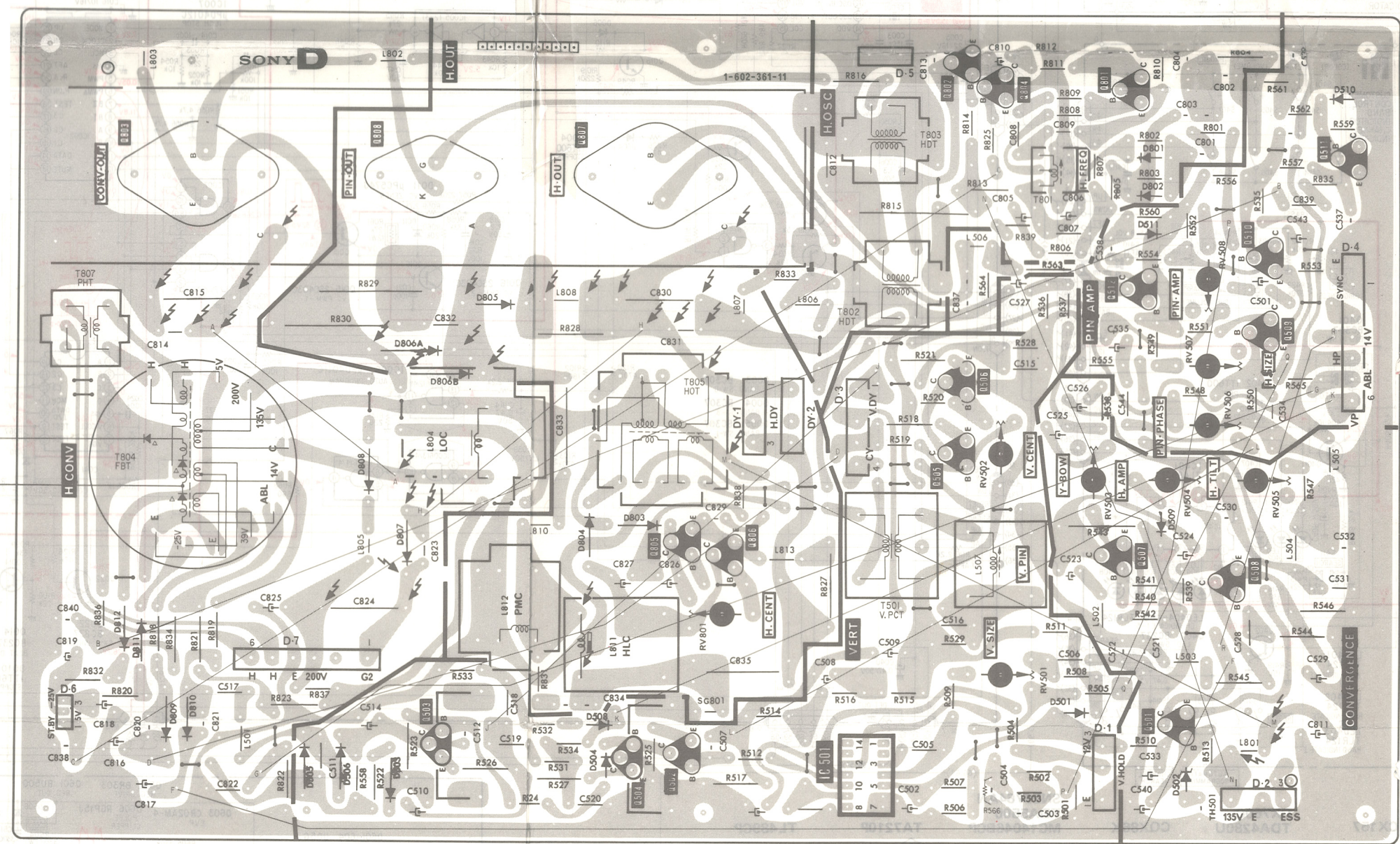


IC, Q	D	ADJ
202		RV305
204		
307		RV20
201		
IC301		
303		
IC201		RV20
IC204		RV305
213		RV305
305		
205	302	
301	201	
	204	
		RV203
		RV304
203		
302		
304	307	
215	301	
208		
IC202	303	
207		
306	210	RV3
217	202	
	207	
218		
214		
IC205		
	209	
210	205	
212		
206		
211		
IC203		
IC, Q	D	ADJ

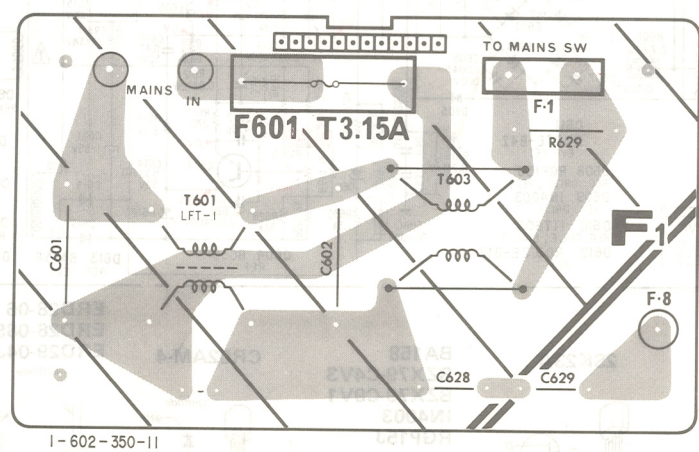




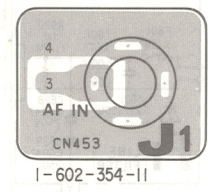
Q	803										808	807	805	806	IC501				802	804	507	801	501	508	510	511	Q								
IC											503	504	502											506	505					509				IC	
D	812	811	809	810	505		506	808	503	807	806A	806B	805	804	508	504	803											801	509	510			D		
																									501	801	511	502							
ADJ																					RV801				RV502		RV503		RV504		RV508	RV507	RV506	RV505	ADJ
																									RV501										



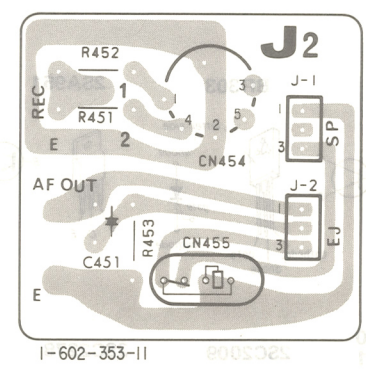
F1 [LINE FILTER]



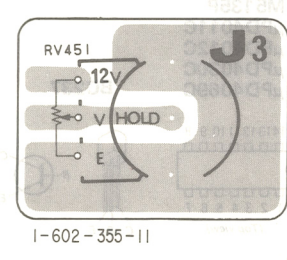
J1 [AUDIO IN]



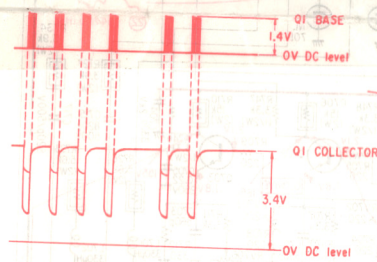
J2 [AF OUT]










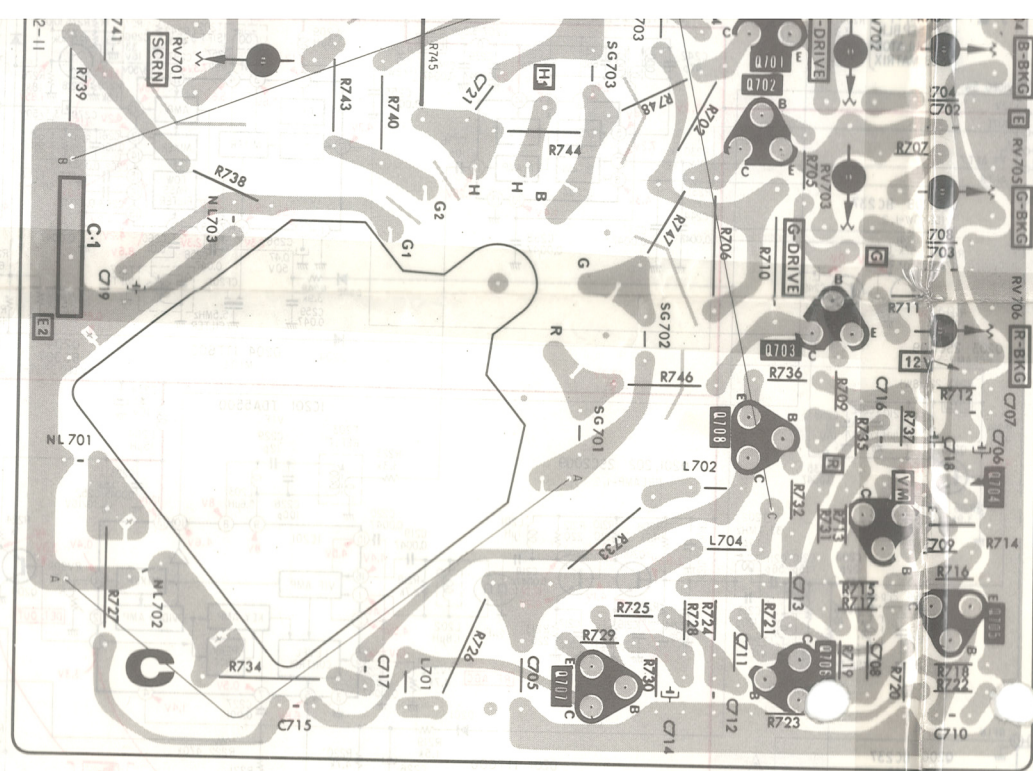
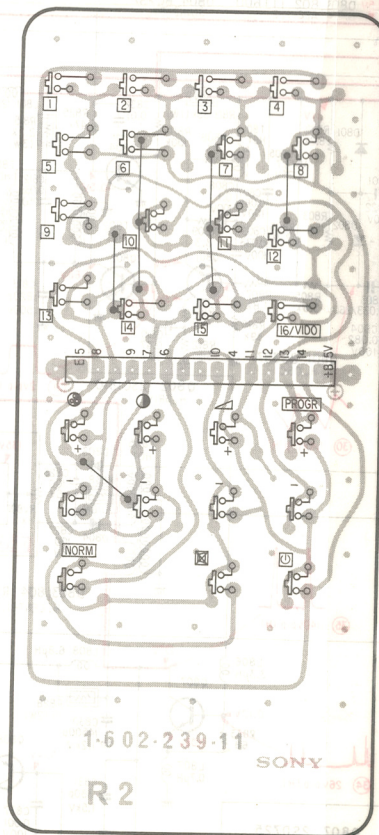
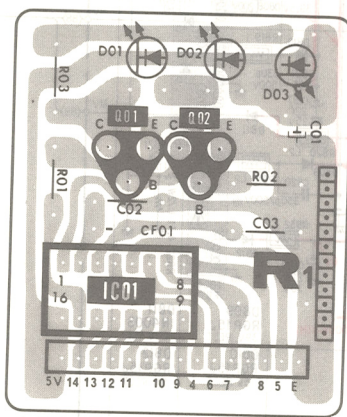
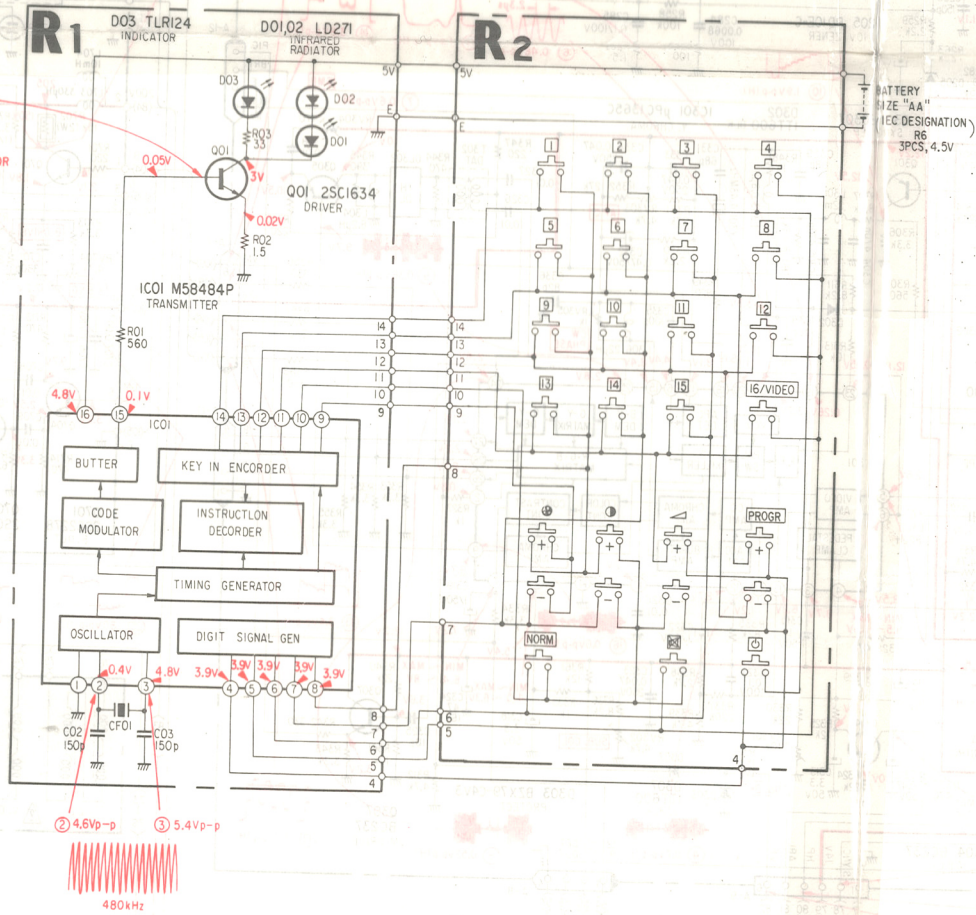
J3 [V HOLD]



REMOTE COMMANDER RM-606



VOLTAGES ON COI						
MODE	9	10	11	12	13	14
CH-1	4.3	4.3	4.3	4.3	4.3	3.9
CH-2	4.3	4.3	4.3	4.3	4.3	3.9
CH-3	4.3	4.3	4.3	4.3	4.3	3.9
CH-4	4.3	4.3	4.3	4.3	4.3	3.9
CH-5	4.3	4.3	4.3	4.3	3.9	4.3
CH-6	4.3	4.3	4.3	4.3	3.9	4.3
CH-7	4.3	4.3	4.3	4.3	3.9	4.3
CH-8	4.3	4.3	4.3	4.3	3.9	4.3
CH-9	4.3	4.3	4.3	3.9	4.3	4.3
CH-10	4.3	4.3	4.3	3.9	4.3	4.3
CH-11	4.3	4.3	4.3	3.9	4.3	4.3
CH-12	4.3	4.3	4.3	3.9	4.3	4.3
CH-13	4.3	4.3	3.9	4.3	4.3	4.3
CH-14	4.3	4.3	3.9	4.3	4.3	4.3
CH-15	4.3	4.3	3.9	4.3	4.3	4.3
CH-16 VIDEO	4.3	4.3	3.9	4.3	4.3	4.3
 +	3.9	4.3	4.3	4.3	4.3	4.3
 +	3.9	4.3	4.3	4.3	4.3	4.3
 +	3.9	4.3	4.3	4.3	4.3	4.3
 -	4.3	4.3	3.9	4.3	4.3	4.3
 -	4.3	3.9	4.3	4.3	4.3	4.3
PROG+	4.3	4.3	4.3	4.3	3.9	4.3
PROG-	4.3	4.3	4.3	3.9	4.3	4.3
NORM	4.3	3.9	4.3	4.3	4.3	4.3
	4.3	3.9	4.3	4.3	4.3	4.3
	4.3	4.3	4.3	4.3	4.3	3.9



F 2 [LINE RECT,
REG, EVP,
135V RECT
40V RECT]

